

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently Amended) A manufacturing process for a microwave corrugated-horn waveguide antenna comprising a horn, a circular polarizer, and an impedance adapter forming a first, a second, and a third section respectively, the process comprising the steps of:

thermoforming the external surface of a conical block of synthetic foam in a single step, using a single mold, ~~of the first, the second, and the third sections on the external surface of a block of synthetic foam to create a horn, a circular polarizer and an impedance adapter of the antenna~~ by deformation of said external surface, and then

metallizing the external surface of the ~~conformed~~ thermoformed block of foam ~~in order to form the antenna.~~

2. (Cancelled)

3. (Cancelled)

4 – 8. (Cancelled)